

Excitement builds as 105th year of classes begins

Michael Brown

As the 105th year of classes gets underway at the University of Alberta, the expectation remains that the 2013-14 school year will build on and surpass the previous 104 years of academic excellence.

"I am excited to welcome new and returning students to the University of Alberta. With our world-class programs, facilities and faculty, they have made an excellent choice to continue their education here," said President Indira Samarasekera. "A university experience is truly about what you put into it, so I challenge our students to make the most of it, to immerse themselves in our campus community and to bring their very best in their extracurricular activities, studies and other pursuits."



Lisa Collins

For her part, Lisa Collins, the university's new registrar and vice-provost, can't wait to flip the switch on her first year and welcome the more than 37,600 students walking on the five campuses that make up the institution and enrolled in 5,777 classes in the fall semester.

"This is the time when our campus truly comes alive, when the spirit of this place is most evident," said Collins, who came to the U of A by way of 18 years at

Continued on page 2

Man of many hats



Fifth-year Golden Bears centre Sean Ringrose celebrates a goal in the first period of an exhibition game against the Edmonton Oilers rookies at Clare Drake Arena Sept. 10. On the strength of a hat trick by Ringrose, the Bears would go on to win the game 4-3, improving their record in the series—which was last played in 2009—to 13 wins, 10 losses.

Lougheed legacy to inspire generations of dynamic leaders

Folio Staff

The Banff Centre and the University of Alberta will honour the legacy of one of Canada's most respected citizens and leaders, the late Hon. Peter Lougheed, through a joint leadership initiative named in his honour.

The Peter Lougheed Leadership Initiative will inspire and mentor emerging, current and next-generation leaders whose skills and vision will have a lasting impact on Alberta and beyond.

The initiative honours the legacy of Alberta's 10th premier, whose visionary leadership transformed a province into an engine of economic prosperity, innovation and creativity. It is the most prominent project to which the Lougheed family has lent his name since his passing one year ago.

"My father was deeply passionate about Alberta and devoted all his energy to working with Albertans to build a vibrant society that would be prosperous, now and into the future. Our family is proud of these achievements and even prouder still that my father's legacy will continue to inspire the next generation of leaders with similar passions for making the

world a better place," said Stephen Lougheed, Peter's son.

The Peter Lougheed Leadership Initiative will build on the respective leadership development strengths of the University of Alberta and The Banff Centre through shared programming and academic collaboration.

"It is an incredible privilege for the University of Alberta to be jointly entrusted with stewarding the name and the legacy of Peter Lougheed, one of our most beloved alumni, who from his early studies at the university exhibited remarkable leadership qualities," said President Indira Samarasekera. "Developing the leadership abilities of our students is fundamental to the academic mission of the U of A—students like Peter Lougheed whose skills and vision can change the world."

The Peter Lougheed Leadership Institute at the Banff Centre will build upon their 60-year legacy of leadership development through renewed programs that focus on building enhanced capacity for community governance, creativity and entrepreneurship. The institute will also offer new programming for non-profit and community leaders that foster social

innovation and enterprise, and nurture creative entrepreneurs.

"The Peter Lougheed Leadership Initiative will further the goal that Peter Lougheed pursued his entire life—the creation of a strong, inclusive and vibrant society in which every individual has the opportunity to thrive. It will equip leaders who want to change the world with the skills to do so," said Jeff Melanson, president of The Banff Centre.

"I know Peter was extremely proud of both these organizations, and he would be incredibly excited by the potential impact of this collaboration," said John Ferguson, founding chair of the advisory board for the initiative. "He left a legacy as big as all Alberta, so it is fitting that this initiative will span the province and extend so powerfully into its future." ■



Peter Lougheed



Flip to the centrefold for the 2013 Alumni Weekend lineup.

folio

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Four U of A faculty members named to Royal Society

Michael Brown

In recognition of their outstanding scholarly and scientific achievements, four University of Alberta faculty members have been elected as fellows of the Royal Society of Canada.

The new fellows are civil and environmental engineer Simaan AbouRizk, music professor Debra Cairns, physicist James Pinfold and physics professor emeritus Raymond Egerton.

"On behalf of the university, I congratulate our four new RSC fellows. Election to the Royal Society of Canada is an important and proud milestone in a researcher's career because it officially and publicly recognizes a scholar's expertise and contributions within their field," said Lorne Babiuk, U of A vice-president of research and also an RSC fellow. "We are very proud of their scholarly accomplishments as well as their impact on our students."

Egerton came to the U of A in 1975 as a visiting professor from Oxford. Soon after he arrived a permanent position opened up that he couldn't pass up.

"I decided to stay, largely because being a faculty member seemed to involve a feeling of freedom, responsibility and privilege," he said.

In his time at the U of A, Egerton's pioneering work in electron energy loss spectroscopy opened the field of quantitative electron microscopy and chemical analysis to probe the structure and chemistry of materials.

Egerton retired to Canmore in 2004, but continues his research thanks to a renewed NSERC Discovery Grant, visiting the National Institute for Nanotechnology every few months, living for a week or two in the Lister Hall Conference Centre.

"The University of Alberta has been a relatively tranquil place with good technical and laboratory facilities where I have carried out most of my research over the last 35 years," said Egerton. "Funding from NSERC has been stable, a great advantage in terms of the freedom to pursue things that I thought important at the time."

Pinfold, who joined the U of A in 1977 and, like Egerton, is a United Kingdom-trained physicist, was a leader in the discovery of the first hard evidence for electroweak unification and a founder of the ATLAS-Large Hadron Collider Experiment that has potentially discovered the Higgs boson. In the search for new physics, he has been a spokesman for the international collider experiment MODAL and co-spokesman



(From left) Civil and environmental engineer Simaan AbouRizk, music professor Debra Cairns, physicist James Pinfold and physics professor emeritus Raymond Egerton were elected as fellows of the Royal Society of Canada.

for the SLIM astroparticle experiment, and now leads the newest LHC experiment, MoEDAL.

"The U of A is really interested in becoming a number one research institution, and I think they've been willing to go the mile to do that," said Pinfold. "The university has the right idea about research and it's important."

Election to the Royal Society of Canada is an important and proud milestone in a researcher's career because it officially and publicly recognizes a scholar's expertise and contributions within their field."

Lorne Babiuk

In the 23 years since he joined the U of A, AbouRizk has significantly advanced the field of construction engineering, particularly in construction simulation modelling and analysis. He is internationally acknowledged as a leader in project planning, productivity improvement, constructability, risk analysis and uncertainty modelling.

His research represents a critical touchstone in the discipline, and he is a leader in transferring research and development into construction practice. AbouRizk has altered the culture of the construction industry in Alberta, which has embraced research and development and construction engineering.

"In reality, it's a team effort," he said. "I am a team player and I would not be getting this incredible recognition without the team. I have been blessed with great department chairs and I have to credit [dean of engineering] David

Lynch in what he has done—he has made it a mission to grow this program."

He says the university's support of research has been key in his program's success, from the department and faculty level to the most senior offices on campus.

"Do you know what it is like for an industry partner to be able to speak to a university president or vice-president? I have always had great support."

Cairns' extraordinary contributions to choral music since she joined the U of A in 1989 span the full spectrum of research and creative activity. An award-winning conductor and internationally published scholar, she has received recognition in both the performance and academic domains through CD publications, national broadcast recordings and competition prizes with her chamber choir i Coristi, as well as articles, a scholarly edition of a Renaissance mass, and a book.

"I am indeed deeply honoured and humbled to be named a Fellow of the Royal Society of Canada," said Cairns.

"I have been the beneficiary of working with wonderful colleagues in the Department of Music and across the Faculty of Arts, who have inspired me through their creativity and thought-provoking research."

"I am indebted to both the department and faculty for their support of my research and performance pursuits over the years, which enabled me to realize many of the accomplishments that formed the body of my work reviewed by the RSC jury."

The Royal Society of Canada was founded in 1882 and is Canada's oldest and most prestigious scholarly institute. With this year's inductees, the U of A now has 115 members. ■

- With notes from Richard Cairney

105 years and counting: Choosing the U of A a good decision

Continued from page 1

the University of British Columbia. "I really love the energy on this campus already."

Although about 71 per cent of students call Alberta home, the U of A population will include more than 3,800 students from every province and all three territories in Canada and an international contingent from 142 different countries that makes up about 18.7 per cent of the student body.

The Faculty of Science is the largest faculty on campus in 2013-14 with 6,409 undergraduate students, followed by arts (6,010) and engineering (4,124).

Enrolment in the university's graduate programs stands at more than 6,200 students, of whom 1,632 are new grad students and 109 are Aboriginal students. As well, more than 6,400 students will be taking classes at the U of A for the first time.

Collins adds the university had a record 31,000 high school and transfer applicants, which represents a 4.8 per cent increase over

last year and a 16 per cent increase since 2009.

"There are many reasons students might choose the University of Alberta. We have a proud tradition of academic excellence, strong community connections within Edmonton and Alberta, as

well as a national and international presence," said Collins. "Applicants to post-secondary institutions have more options than ever before. For those who will now join us at the University of Alberta, I feel this is the best choice they could have made."

The 2013-14 academic year will also see the Faculty of Medicine & Dentistry continue its 100th birthday celebrations, while the Faculty of Pharmacy and Pharmaceutical Sciences prepares for its centenary, which is set to begin in early 2014. ■

Student Connect: A better way to serve students

The U of A launched a new student service model Sept. 4 with the intent of streamlining the way students navigate the Office of the Registrar.

Called Student Connect, the idea revolves around new student-focused space in the Administration Building designed to serve students and visitors more effectively.

Collins says the space itself has become more accommodating thanks to a redesign, a technological update and an improved queuing system, but there is also change in the ways students are served by the Student Connect advisers.

"When students and visitors come in the door, we have greeters available," said Collins, adding students shouldn't have to stand in line only to find out they're in the wrong place. "Sometimes it's just wayfinding—I'm looking for this building, can you point me in the right direction." Once we confirm they're in the right place, a Student Connect adviser can manage many questions and transactions over the course of one interaction."

Student Connect, which had been in the works for two years before its soft launch in July, also incorporates a ticketing system that routes services better and allows students who have a quick transaction to be served faster.

Collins says one of the most interesting things about Student Connect is that it will be responsive to student needs. "The new tools that allow us to get students to the right person as soon as possible also allow staff to measure wait times and peak service times, which will allow us to customize our staffing."

As well, if there is a question that students are asking again and again, Collins says there is now an opportunity for her staff to post the answer online, hopefully saving students a trip. "These new tools will allow us to constantly refine the service," she said. "Bottom line, students shouldn't need to know how the registrar's office organizes itself. Our plan is to provide as broad a range of services as possible in one place at one time—that's why we developed Student Connect."

President Samarasekera announces revision to budget plan

Folio Staff

Following two full days of meetings with the institution's leadership team of deans and vice-presidents, University of Alberta President Indira Samarasekera announced Aug. 23 a revised timeline for balancing the university's budget.

impacts from the cuts contained in the 2013-2014 budget."

The new two-year plan seeks to identify another \$56 million in reductions or new revenue for 2014-15. These reductions include a seven per cent decrease overall to core academic activities and an eight per cent reduction to services supporting the academic core.

Samarasekera noted that these reductions are on top of the \$28.8 million that has already been cut from the current fiscal year.

"These are major cuts and every member of our community will feel the impact," said Samarasekera. "We will continue to streamline administrative functions, reduce redundancies and seek new or untapped sources of revenue."

She emphasized that the institution will maintain its commitment to excellence, but the impact of the cuts will be felt through the closure of programs and suspension of services, and limiting access to the U of A, which is the province's oldest and largest institution.

"The decisions we make in the coming weeks must be focused on protecting the teaching, research and service activities that provide for an exceptional educational experience for our students."

Samarasekera referenced the Aberhart government during the Great Depression, which reduced spending across all sectors with the

exception of post-secondary. She added that even during the budgetary contractions in the 1990s, never has there been a one-year cut of this magnitude.

"What concerns me is, here is an opportunity to convert the one-time resource of oil and gas into the resource that keeps on returning on investment—the human resource," she said. "Albertans will get one time to do this, and this is the opportunity to make that investment. It is disappointing that there doesn't seem to be that collective will to invest, to convert that very important one-time resource into prosperity for the future."

Samarasekera ended her media address on a hopeful note, reminding everyone that the U of A is the best university in Canada when it comes to teaching.

"We've won more teaching awards and the best professors teach here, so the students who get access to those teachers and are in those classrooms will get a phenomenal experience," she said. "The problem will be for students who find the variety that they had hoped for may not be quite there, and the reduction in sections and sessional instruction might mean larger classrooms or lengthening degrees for some students. But for students sitting in that classroom with that great professor, they will still get that great experience."

Samarasekera will provide further updates to the campus community weekly on Colloquy

and during her annual state of the university address Sept. 19. ■

University resilient in face of budget challenges

Bryan Alary

The University of Alberta is a resilient, creative organization that effectively uses its resources to benefit all Albertans, and will continue to do so despite current budget challenges, said Acting Provost Martin Ferguson-Pell.

Under normal circumstances, the U of A can ride out unpredictable revenue streams, he said, but this year's 7.2 per cent provincial funding cut put the institution in a difficult situation—namely, a \$56-million funding shortfall in 2014-15.

"As a resilient organization with a great deal of flexibility and imagination, we can ride out some of those challenges under normal circumstances. What made this year so distinctively different was the short notice and the magnitude," said Ferguson-Pell during a Sept. 6.

campus forum and budget update.

Compounding the unexpected budget cut, the university has a structural deficit, caused largely by salaries and benefits rising faster than revenues.

The university initially proposed addressing the deficit over three years, as outlined in the Comprehensive Institutional Plan, but the timeline was rejected by government and subsequently shortened to two years.

Ferguson-Pell said the longer timeline would have allowed for more cautious, strategic decision-making; however, senior leadership remains committed to

ensuring excellence at the U of A, as mandated by the board of governors. He added there is no single path the university plans to follow to address these challenges.

"The implementation of our budget, good or bad, ultimately is delivered by our faculties, through discussion within the faculties about what the best courses of action are for any given faculty's circumstances," he said. "This is not a top-down driven process from the standpoint of us presenting a plan and people following a recipe."

The question-and-answer session following Ferguson-Pell's presentation included criticism about the university's lack of transparency over faculty cuts, and questions about how to mitigate the impact on students.

Ferguson-Pell said it's always the university's goal to minimize the effect of budget cuts on students, but the two-year time frame means less "wiggle room." The Faculty of Science, for example, is now meeting enrolment targets after years of over-enrolment; higher admission requirements in the faculty only serve to keep enrolment in line with available funding.

"We think that access is a problem too," added Phyllis Clark, vice-president of finance and administration. "We really think there are large numbers of people who want to come to the University of Alberta ... but we do need to make sure we have the funding to make sure it would happen."

Clark pointed out the province has ruled out tuition increases for this year and, beyond that, the future is unknown. ■



President Indira Samarasekera addresses the media Aug. 23 at the Centennial Centre for Interdisciplinary Science.

"We recognize the urgency of the situation and agree that it is in the best interest of our university and the morale of our community to accelerate our original plan," she said. "The next few months will not be easy, especially because several units and faculties already have experienced layoffs, program suspensions, position closures and other

Helping pediatric residents become better communicators, collaborators

Michael Brown

Physicians are asked to wear many more hats than just that of healer.

In fact, the Royal College of Physicians and Surgeons of Canada created the CanMEDS Physician Competency Framework to describe seven roles that specialist physicians need to fill to optimize patient outcomes. They are medical expert, manager, health advocate, scholar, professional, communicator and collaborator.

It is the latter two roles, those of communicator and collaborator, that have drawn keen interest from Lyn Sonnenberg, a neurodevelopmental pediatrician and

program director of the University of Alberta's Developmental Pediatrics Subspecialty Residency Training Program.

"The Royal College says these are the skills we feel a developmental pediatrician should have starting practice and therefore should have at the completion of their training, and

there is a list of those that they hand down to us."

Sonnenberg explains developmental pediatricians work as part of a diverse team that provides medical care for children with complex disabilities. The different disciplines involved include occupational therapists, psychologists, social workers, nurses, administrative staff and physicians from other services.

"It becomes quite a large team," she said. "To work in that environment, communication and collaboration skills are essential."

That said, Sonnenberg notes that there is currently no mechanism for residents to gather feedback from the varying disciplines they come in contact with in this highly co-operative field to know where they stand as communicators and collaborators.

That is set to change thanks to a \$23,500 U of A Teaching and Learning Enhancement Fund grant awarded to Sonnenberg and colleague Leslie Wiart. The two researchers will perform a qualitative study to determine which communicator and collaborator indicators are practically assessed by each discipline during the core developmental pediatric rotations at the university. The data will lead to the development of an evaluation tool to be used in training programs across the country.

TLEF

"What my project looks at is having those in other disciplines read over the lists of objectives for the CanMEDS roles of communicator and collaborator, and ask them to observe these indicators in the fellows or specialty residents they are working with," Sonnenberg said, adding this feedback is particularly important early on in a physician's career.

"When you're still a student, you're kind of expecting people to give you advice on how to improve," she said. "In working in a team-based practice, receiving feedback from another team member is what would be considered essential."

Sonnenberg adds this study will enhance teaching and learning of her students, which is something she says the university has always done a great job of promoting.

"I never hear, 'We can't do that right now,' but rather, 'This is a priority,'" she said. "The University of Alberta has made learning a priority."

Moreover, Sonnenberg says, initiatives like the TLEF allow teachers to focus on improving the classroom.

"It's not often educators get the time to step back and ask, 'Are we doing this thing right?' or 'Can we do this thing better?' TLEFs give us the opportunity to step back and ask those questions." ■



Lyn Sonnenberg

Public Information Open House

Update on amendment to North Campus land use plans

WEDNESDAY, SEPTEMBER 25, 2013

TELUS CENTRE ATRIUM | 5:30 - 8:30 P.M.

111 STREET & 87 AVENUE

Materials will be posted at www.communityrelations.ualberta.ca and comments on this plan will be accepted from September 26 to October 16, 2013.

We welcome your comments.

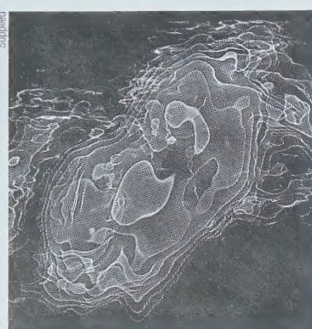
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3-D animation shows how stellar winds scatter stuff of stars

Suzette Chan

A University of Alberta astrophysicist's 3-D computer animation is helping an international research team get an unprecedented look at star-forming gases escaping from a nearby galaxy.

Erik Rosolowsky, who recently joined the U of A as an assistant professor of astrophysics, created the animation as part of a new study featured in the journal *Nature*.



Erik Rosolowsky created this 3-D rendering of carbon monoxide in the starburst galaxy NGC 253.

Since 2011, Rosolowsky has been a member of an international collaboration that used the powerful Atacama Large Millimeter/submillimeter Array (ALMA) telescope in Chile to discover billowing columns of cold, dense gas fleeing the disk of nearby starburst galaxy NGC 253, also known as the Silver Dollar Galaxy.

Located 11.5 million light-years away in the constellation Sculptor,

this galaxy affords astronomers a rare and fortuitous view of several super star clusters near its centre. These clusters denote areas where new stars are forming—and also mark the point of departure for material being ejected from the galaxy.

The cosmic fireworks that characterize a starburst can abruptly fizzle out after only a relatively brief period of star formation. As a result, far fewer high-mass galaxies are evident, and astronomers want to know why.

The new study shows in unprecedented detail how vigorous star formation can force hydrogen and other gases high into the surrounding galactic halo, leaving little fuel for the next generation of stars.

Rosolowsky worked on mass calculations for the study before creating the 3-D animation that helped the team identify the stellar wind movement. "We couldn't see the wind before the new telescope," he said.

The ALMA telescope provided enough data for Rosolowsky to build a computer visualization that revealed a phenomenon that was difficult to discern by physical observation. To create the 3-D animation, he included data about the distance, brightness and velocity of carbon monoxide molecules in the starburst.

The different colours represent the brightness of the gas at various points. The top of the structure is moving toward Earth; the bottom part is farther away. The solar wind appears

as a yellow, peanut-shaped formation near the top of the structure.

"Part of the complexity is seeing something very faint next to something very bright," Rosolowsky said. "This is the first time we've used this

type of visualization for these data. Usually, we use these methods to visualize computer simulations."

Rosolowsky says ALMA has similar data for other molecules, and further study should help determine

how much gaseous material is carried away by stellar winds. He will be studying the structure of all the molecular gas, seeking to understand how these clouds create the starbursts seen in this and other galaxies. ■

More involved pharmacists improve patient care

Raquel Maurier

Researchers at the University of Alberta co-led a study that has found strong evidence that patients receive better care when pharmacists have expanded roles and are more involved in patient care.

After examining the results of numerous randomized, clinical trials from around the world, pharmacy researcher Ross Tsuyuki and a colleague at the Université de Montréal found strong evidence that patients' health improved when pharmacists were more involved with patient care thanks to an expanded scope of practice.

The trial results showed that patients' blood pressure and cholesterol levels were better, and patients with heart failure had 31 per cent lower rates of hospital admission. Other research has shown improvements for patients who have asthma and diabetes, as well as increased vaccination rates.

Tsuyuki and his team noted that more than 10 per cent of emergency-room visits in Canada stem from drug-related problems, and elderly patients taking numerous medications who end up in emergency often have at least one drug interaction issue.

"Dealing with complex medication issues is their expertise—this is what pharmacists are trained to do—so expanding their role in this area makes sense and helps put patients first," said Tsuyuki, adding that people tend to see their pharmacist more frequently than they see physicians. "Some people don't have family doctors or can't get in to see a physician, so this expanded scope of

practice for pharmacists benefits the public and could reduce the number of ER visits and hospitalizations."

Tsuyuki said Alberta is a leader for expanding the breadth of scope of practice for pharmacists, referring to changes that took effect in 2007 that gave pharmacists in Alberta the broadest scope of practice in the country.

"Here, pharmacists can do comprehensive medication assessments—asking questions about what each drug is for and whether it is still needed, and looking for interactions. A patient could be put on a medication for an upset stomach, and 20 years later she is still taking the drug, and no one really remembers why. Pharmacists can help out in this area."

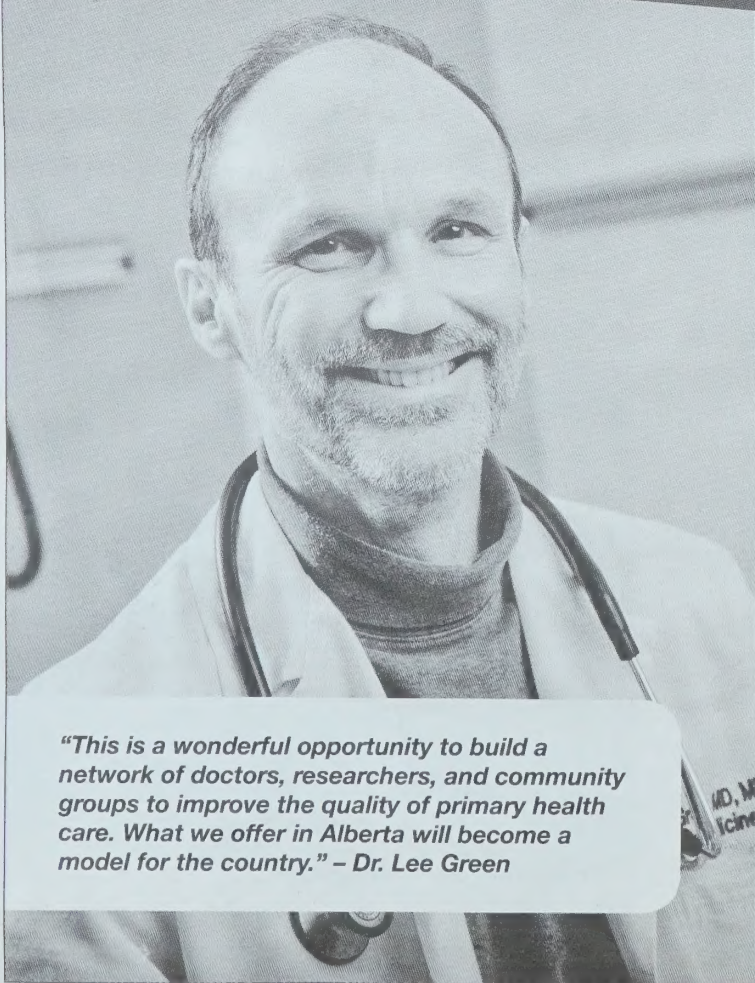
The article also noted that pharmacists' expanded roles can alleviate the high demand on physicians.

James Kehrer, dean of the Faculty of Pharmacy and Pharmaceutical Sciences, said the study reaffirms the value of the university's interdisciplinary approach to educating pharmacists. "We have changed how pharmacists are educated to facilitate their abilities to practise in these areas of expanded scope, and to embrace team-based patient care." ■



Ross Tsuyuki

Making Family Medicine Better for Albertans



"This is a wonderful opportunity to build a network of doctors, researchers, and community groups to improve the quality of primary health care. What we offer in Alberta will become a model for the country." – Dr. Lee Green

Alberta Innovates – Health Solutions names first Translational Health Chair

For most Albertans, the face of the health system is their family doctor. As the population ages and health needs change, having the support of a primary health care team is more important than ever.

Ensuring Albertans receive the best possible care is the top priority of Dr. Lee Green, newly appointed Alberta Innovates – Health Solutions (AIHS) Translational Health Chair at the University of Alberta.

By focusing on primary care teams who are doing innovative work in areas such as information technology, practice guidelines, practice-based research, and chronic disease management, Dr. Green hopes to make family medicine better for all patients.

The AIHS Translational Health Chairs provide opportunities to recruit top researchers to Alberta in priority areas. This partnership between Alberta's research universities, Alberta Health, Alberta Health Services, and AIHS increases translational health research capacity to improve the health system for Albertans.

To learn more, visit aihealthsolutions.ca



Alumni Weekend a chance to reconnect, reaffirm U of A pride

O'Neil Outar, Vice-President of Advancement

The impact of our graduates continues to astound us. Not only do they shape our society and culture, but we are also learning more and more about their incredible economic contributions. We must take every opportunity to thank our alumni

for being such a vital part of our institution and provide opportunities for them to contribute after graduation.

We have the chance to thank them in person, as more than 3,000 alumni return to campus for the Alumni Weekend 2013 celebrations from September 25 to 29. I hope you take the time to attend some of the festivities.

On Wednesday, visit the Winspear Centre to witness the Alumni Recognition Awards. Toast a pint with our grads at RATT on Thursday night. Go to the Tuck Shop in Quad on Friday to say hello, sample a much-revered cinnamon bun and show your Green and Gold pride. Cheer on the Bears football team on Saturday as they take on the University of Calgary Dinos.

You may be one of the thousands of staff members who are also alumni. For that our thanks are twofold—first, for being an example of University of Alberta alumni contributing to the continued success of your alma mater and, second, for continuing to carry the Green and Gold spirit through a challenging year.

Alumni reunions are an opportunity for professors, students and administrators to reconnect and re-engage in a meaningful way with those who have already

invested their time and money to be educated at our great university. We reopen our doors to them and answer their questions. In turn, they share with us how profoundly their lives were shaped by their time at the U of A.

As much as it's a time for reflection, this is also a time for us to share how the campus landscape has changed, where we will focus our new priorities and research, and how teaching has progressed to include more interactive, community-based learning experiences.

Ultimately, it's a chance to reaffirm alongside our alumni what it is that makes the U of A one of the world's great universities. Be a part of it all Sept. 25-29. ■

the open door

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UNIVERSITY OF ALBERTA
FACULTY OF MEDICINE & DENTISTRY

A Conversation with Four Deans

Sept. 28, 2013

Dr. Douglas Wilson (1984 - 1994)
Dr. Lorne Tyrrell (1995 - 2004)
Dr. Thomas Marrie (2004 - 2009)
Dr. D. Douglas Miller (2012 - present)

Moderated by: Dr. Robert Lampard

Begin your morning with entertaining stories of our history and a look forward to the Faculty's next 100 years.

This event is FREE. Everyone welcome.

10 a.m. - 11:30 a.m.

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Li Ka Shing Centre for Health Research Innovation

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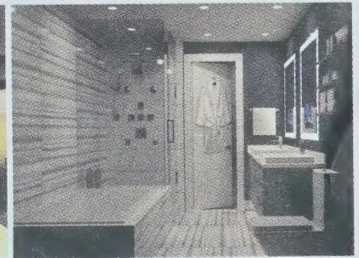
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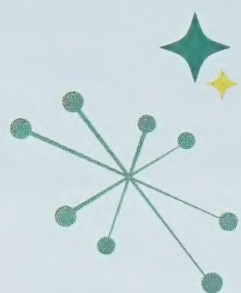
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Alumni Weekend 2013

SIGNATURE EVENTS

Alumni Recognition Awards*

Celebrate the achievements of some of the university's most outstanding grads. Winspear Centre for Music
Wednesday | 7 p.m.

Class of '63 Cap 'n Gown*

In honour of their 50th graduation anniversary, the class of '63 relive their convocation experience.
Convocation Hall
Thursday | 1:30 p.m.

RATT Redux

Reminisce about the good times at RATT with great friends, finger foods and local funny guy, Chris Craddock, '96 BFA(Drama).
Room at the Top, SUB
Thursday | 7:30 p.m.

Tuck Shop Tent

Head to the Tuck Shop Tent for campus tours, anniversary class celebrations, all the cinnamon buns you can eat and more!
Quad
Friday | 10 a.m. – 6 p.m.
Saturday | 9 a.m. – 4 p.m.

Saturday Scholar Series

Meet some of the U of A's top teaching and research talent during this series of 30-minute lectures.
CCIS
Saturday | 11:30 a.m., 12:30 p.m., 1:15 p.m., 2 p.m., and 2:45 p.m.

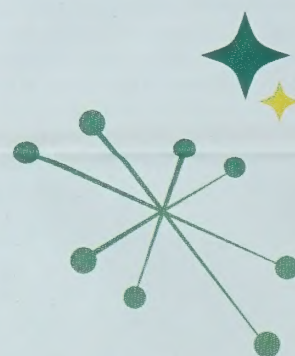
Alumni Dinner & Dance*

Eat, drink and dance the night away at Alumni Weekend's marquee event.
Hall D, Shaw Conference Centre
Saturday | 6 p.m.

The Party in Quad

Watch Peter Sellers in *The Party*. BYOBlanket. Popcorn and soda available (cash only).
Quad
Saturday | 7:30 p.m.

***Pre-registration or ticket purchase required**



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ualberta.ca/alumni/weekend



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UNIVERSITY OF ALBERTA
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PUBLIC LECTURES, EVENTS & TOURS

Devonian Botanic Gardens Tour & Lunch*

Have lunch and then take a leisurely tour through the gardens and plant collections.
Friday | 11 a.m.

Green & Gold Day

Show your U of A spirit by donning your school colours! Meet on quad at noon for an aerial green and gold group photo.
Friday | Noon

Anna Maria Tremonti Lecture*

Discover how 30 years of reporting has helped form the world view of this award-winning host of CBC Radio One.
Friday | 7 p.m.

Observatory Open House

Take wishing upon a star to a new level at the Observatory Open House.
Friday | 8 p.m.

Campus & Faculty Tours*

From lasers to fossils to astronomy and more! A complete list of tours is available online.
Friday & Saturday

Medicine & Dentistry Walk Through A Century & 100 Faces, 100 Years Photo Exhibit

Discover the top education and research moments from the Faculty of Medicine & Dentistry's first 100 years.
Friday & Saturday

Engineering Expo

Experience engineering with interactive displays, tours and demonstrations in a family-friendly atmosphere.
Saturday | 10 a.m. – 3 p.m.

Native Studies Open House & BBQ

Enjoy a delicious bannock burger and see what's happening in one of the university's newest faculties.
Saturday | 11 a.m.

Physics Talks

The Department of Physics invites you to talks, tours and our new observatory.
Saturday | 12:30 p.m. – 3:30 p.m.

Golden Bears Football vs. Calgary Dinos*

Cheer on the U of A Golden Bears as they take on the Calgary Dinos at Foote Field.
Saturday | 5 p.m.

***Pre-registration or ticket purchase required**

FACULTY & DEPARTMENT EVENTS

Agricultural, Life and Environmental Sciences

Alumni Breakfast | Saturday *

Arts:

Anna Maria Tremonti Lecture | Friday*
Arts Alumni Reception | Sunday*
University Symphony Orchestra & Symphonic Wind Ensemble | Sunday

School of Business:

Class of 1963 Anniversary Dinner | Friday*
Open House & Brunch | Saturday

Education:

Homecoming Lunch | Friday*

Engineering:

Class of 1953 Alumni Luncheon | Friday*
Dean's Engineering Reception | Friday*
Dean's Engineering Alumni Breakfast | Saturday*
Engineering Expo | Saturday
Engineering Pre-Dinner & Dance Reception | Saturday*

Law:

Faculty of Law Open House & Dean's Lunch | Saturday*

Library and Information Studies:

Alumni Association Celebration Pastry Brunch | Saturday*

Medicine & Dentistry:

Celebrating a Century Gala | Thursday*
A Conversation with Four Deans | Saturday*
Walk Through A Century & 100 Faces, 100 Years Photo Exhibit | Friday & Saturday
School of Dentistry Open House | Saturday
Dental Hygiene Alumni Reception | Saturday *

Native Studies:

Grand Chief Nepinak | Thursday
25 Year Celebration Banquet & Silent Auction | Friday *
Open House & BBQ | Saturday

Nursing:

Alumni Open House, Tour & Light Brunch | Saturday*
Second Annual MN & PhD Alumni Reunion | Saturday*

Pharmacy and Pharmaceutical Sciences:

Alumni Reunion Brunch & Tour | Saturday*

Physical Education & Recreation:

Green & Gold Day | Friday
Pub Night with the Dean | Friday
Golden Bears Football vs. Calgary Dinos | Saturday*
Breakfast with the Dean | Saturday*

School of Public Health:

Dean's Wine, Cheese & Strings | Friday


Rehabilitation Medicine:

Pub Night | Friday

Science:

Alumni Starry Night | Friday*
Observatory Open House | Friday
Frontiers of Science Tour | Saturday
Planet Earth Science Tour | Saturday

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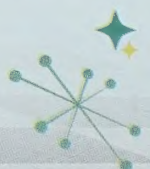
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Two U of A researchers finalists for SSHRC Impact Awards

Michael Brown

Two University of Alberta researchers have been named as finalists for federal research awards designed to shine a spotlight on and support the country's top social sciences and humanities research projects.

Patricia Clements, former dean of arts and professor emerita in the Department of English and Film Studies, and Hadley Friedland, a PhD candidate in the Faculty of Law, have each been shortlisted for \$50,000 Social Sciences and Humanities Research Council (SSHRC) Impact Awards.

Clements is a finalist in the partnership category for her work on The Orlando Project, an ongoing collaborative experiment on the use of digital technology to engage in women's literary history.

Named after Virginia Woolf's 1928 novel *Orlando*, a deeply literary historical fantasy spanning the reign of Elizabeth I to 1928, the Orlando Project—launched in 1994 thanks to a \$1.4-million SSHRC grant—stands unparalleled in the realm of humanities computing, allowing researchers to search more than eight million words for concepts, meanings and even characteristics of tens of thousands of texts written by more than 1,350 British women authors.

"The project has made available a way in which computing can really enrich literary study," said Clements, who co-founded The

Orlando Project with U of A professor emerita and former University Cup winner Isobel Grundy, and University of Guelph researcher and U of A alumna Susan Brown. "It's a major step forward in the integration of computing in the humanities."



Patricia Clements

The project, which is primarily housed at the U of A but is based on a partnership between the universities of Alberta and Guelph, draws on the strengths of dozens of researchers from around the world with an expertise in women's writing, literary history, humanities computing and computing science.

"The university has been an outstanding environment for research in the humanities," said Clements. "And thanks to the support of SSHRC, we have trained upwards of 85 graduate students, many of whom have gone off to get jobs teaching humanities computing or working in the IT industry."

Friedland, whose research interest is in indigenous legal traditions and legal theory, with a particular focus on Cree law, is a finalist in the Impact Awards' talent category, which was designed to recognize a researcher who has demonstrated clear potential to be a future leader within and outside the academic sector.

Friedland, a mother of two Cree children, used her 2011 Vanier Graduate Scholarship to help with a doctoral thesis exploring how Cree legal principles can be practically applied to address today's issues, with possible applications to governance, criminal and family law issues, and consultation on Aboriginal and treaty rights. Her work builds on her master's thesis that, in the context of child victimization, studied stories of

the Windigo, a dreaded figure who brought harm to a community.

She sees the Windigo stories as part of a legal category containing principles for dealing with violent offenders. Her PhD research is exploring other applications and a broader variety of Cree stories as well. "What other categories are there, and what do they look like?"

Initially drawn to the U of A by her supervisor and law professor Val Napoleon, a leading indigenous legal theorist in Canada, Friedland also soon discovered a network of scholarly support that has enhanced her research experience here.

In accepting her Vanier scholarship, Friedland said the support and small size of the law faculty has afforded her opportunities she might not have had elsewhere. "There is a growing graduate community at the



Hadley Friedland

U of A interested and committed to indigenous issues, so there are great interdisciplinary opportunities as well."

Recipients of the SSHRC Impact Awards will be presented with their awards at the World Social Science Forum in Montreal Oct. 15. ■

Nano 'ink' could make solar power cheaper

Bev Betkowski

University of Alberta researchers have found that abundant materials in the Earth's crust can be used to make inexpensive and easily manufactured nanoparticle-based solar cells.

The discovery, several years in the making, is an important step forward in making solar power more accessible to parts of the world that are off the traditional electricity grid or face high power costs, such as the Canadian North, said researcher Jillian Buriak, a chemistry professor and senior research officer of the National Institute for Nanotechnology based on the U of A campus.

Buriak and her team have designed nanoparticles that absorb light and conduct electricity from two very common elements: phosphorus and zinc. Both materials are more plentiful than scarce materials such as cadmium and are free from manufacturing restrictions imposed on lead-based nanoparticles.

"Half the world already lives off the grid, and with demand for electrical power expected to double by the year 2050, it is important that renewable energy sources like solar power are made more affordable by lowering the costs of manufacturing," Buriak said.

Her team's research supports a promising approach of making solar cells cheaply using mass manufacturing methods like roll-to-roll printing (as with newspaper presses) or spray-coating (similar to automotive painting). "Nanoparticle-based 'inks' could be used to literally paint or print solar cells or precise compositions," Buriak said.

Buriak collaborated with U of A post-doctoral fellows Erik Luber of the Faculty of Engineering and Hosnay Mobarok of the Faculty of Science to create the nanoparticles. The team was able to develop a synthetic method to make zinc phosphide nanoparticles, and demonstrated that the particles can be dissolved to form an ink and processed to make thin films that are responsive to light.

Buriak and her team are now experimenting with the nanoparticles, spray-coating them onto large solar cells to test their efficiency. The team has applied for a provisional patent and has secured funding to enable the next step to scale up manufacture.

The research, which was supported by the Natural Sciences and Engineering Research Council of Canada, is published in the latest issue of *ACS Nano*.



Jillian Buriak (centre) worked with Erik Luber (right) and Hosnay Mobarok to create nanoparticles that could lead to printable or spray-on solar cells.

Along with this latest nanoparticle discovery at the U of A, Buriak is also on an international research team proposing a global project to develop solar energy technology. The proposal was recently chosen as a finalist in the Global Call for Ideas by the Canadian Institute for Advanced Research. Buriak is working with fellow scientists from Harvard University, the University of Toronto and Vrije Universiteit Amsterdam to develop a full research program proposal that will be submitted for consideration by February 2014. The team is focused on a global initiative to develop next-generation solar energy-harvesting science and related technologies. ■

Are You a Winner?

Congratulations to Kelly Tedrick who won a Butterdome Butter dish prize pack as part of Folio's Aug. 16 "Are You a Winner?" contest. Tedrick identified the photo as that of the turf at Foote Field. Up for grabs this week is another Butterdome butter dish. To win it, simply identify where the subjects pictured are located and email your answer to folio@ualberta.ca by noon on Monday, Sept. 23, and you will be entered into the draw.



OCTOBER 7, 2013
MONDAY, 5:00-7:00 P.M.

Centennial Lectures

Saving Sight: From Cornea to Brain

Dr. Joe Casey and Dr. Ordan Lehmann

will explain how fundamental understanding of visual disease, partnered with patient care, lead to new ways to correct loss of sight.

Allard Family Lecture Theatre | Katz Group Centre for Pharmacy and Health Research | 87 Ave. & 114 St.

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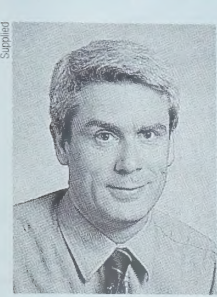
Study shows checkups critical for the well-being of heart failure patients

Raquel Maurier

Evidence from the University of Alberta shows heart failure patients who follow up with a doctor within the first month of leaving hospital are more than 10 per cent less likely to die or require emergency hospitalizations than those who don't see a doctor in that time frame.

Moreover, the study shows if that visit is with a doctor who has seen the patient before, the patient's odds of staying healthy in that critical first month at home are even better.

Finlay McAlister, researcher in the Department of Medicine and lead author of



Finlay McAlister

the study, says he has found the perception of patients, their families and health-care providers is that once someone is released from the hospital, they are stable. "There isn't enough appreciation that the transition from hospital back to the community is a fairly high-risk situation for heart failure patients," says McAlister, who is the research chair in cardiovascular outcomes, an Alberta Innovates – Health Solutions Senior Health Scholar and a physician at the heart failure clinic in Edmonton.

"Heart failure is the number one cause of hospitalization for adults over 65. And heart failure has one of the highest readmission rates and mortality rates 30 days after discharge from hospital. We need to do more to ensure follow-up visits with community physicians happen shortly after these patients leave the hospital."

McAlister noted educating patients and their families about this high-risk time is important, as is the need for hospital and community physicians to communicate with one another about their heart failure patients. He says physicians do use "prediction models" to try pinpointing those most at risk for complications after release from hospital, but those models aren't perfect and are only able to identify about 60 per cent of the patients who will have problems at home.

"Often, by the end of their hospital stay, people with heart failure are stable because we are regulating how much fluid they take, how much salt they get in their food, how much

they exert, and so on," says McAlister. "But when they go home, their diet and activity levels change, so medication doses that were appropriate in the hospital may no longer be appropriate at home."

The study looked at more than 24,000 adult heart failure patients in Alberta who were discharged from hospital between January 1999 and June 2009. About 20 per cent of those patients died or required hospital readmission within the first month after discharge. Almost 22 per cent of the patients didn't follow up with physicians within the first 30 days of release from hospital, 69 per cent saw physicians

they knew, and nine per cent saw unfamiliar physicians. Patients who saw physicians within the first month were more than 10 per cent less likely to die or require readmission than those who did not.

The Canadian Institutes of Health Research funded the original study that produced the data used in this research. McAlister's faculty collaborators included Erik Youngson, Jeffrey Bakal, Padma Kaul and Justin Ezekowitz, as well as a colleague from the University of Ottawa.

The findings were published in the *Canadian Medical Association Journal*. ■

It's never too soon—or too late—to begin taking care of your heart

Faculty of Nursing Staff

Think you're too young to care about keeping your heart healthy? A University of Alberta researcher says it's never too soon.

"Heart disease and heart health are relevant to everyone," says Alex Clark, professor and associate dean of research in the U of A's Faculty of Nursing. The chronic heart problems that often cause heart attacks and heart-related chest pain and illnesses in later life have their roots in behaviour established over a lifetime—even in our teenage years.

"We tend to think we will never get old and that the effects of smoking, high cholesterol or a lack of physical activity on the heart will never catch up with us," notes Clark. Unfortunately, although more Canadians are living longer, heart disease is still Canada's largest cause of premature death and disability for both men and women, who are actually at the same risk of heart disease over their lifetime.

Research shows that the effects of exercise and weight reduction on blood pressure happen in days and weeks—not months. In fact, the hearts of people well into their 90s will benefit from physical activity after only half a dozen periods of sustained exercise. Even after people have had heart attacks, if they stop smoking, their heart disease risk can become similar to that of comparable non-smokers in two to three years. "In this way, the prevention of heart disease is

everyone's business too," adds Clark, "and it is never too early or too late to start making heart healthy choices."

Clark also says healthier choices can be as beneficial for the brain as for the heart. "Many of us often feel down, busy or stressed, but healthier choices also have significant benefits for our mental health and well-being."

Clark's research, conducted with graduate student Todd McClure, has revealed that heart-healthy behaviour reduces anxiety and improves psychological well-being. Anxiety and depression are also risk factors for heart disease, so reducing these factors not only makes us feel better mentally, but also improves heart health.

"Both the head and the heart tell us that these behaviours are good for us, so whatever the weather, however old or young we are, the time to start making heart healthier choices is today." ■

Five tips for a healthy heart

- Take a brisk walk outside or inside most days—shopping malls are perfect in winter.
- Eat more raw fruit and vegetables.
- Eat less fatty and very sweet foods by substituting in healthier equivalents, like choosing chocolate mousse over chocolate.
- Taste your food before adding salt.
- Substitute fresh or dry herbs for salt in your cooking.

New cancer screening technology on its way to commercialization

Folio Staff

A colon cancer screening test developed at the University of Alberta is on its way to commercialization and potential worldwide use, through a new collaboration with a leading Chinese research institute and a U of A spinoff company.

The groundbreaking research, led by U of A scientists Richard Fedorak and Haili Wang, has the potential to save lives through early and

non-invasive diagnosis of precancerous polyps in the colon.

The collaboration, supported by Alberta's Ministry of Enterprise and Advanced Education, enables the spinoff company Metabolomic Technologies Inc. (MTI) to begin validation trials in Canada and China for the promising new diagnostic test, known as PolypDx. BGI Shenzhen, a leading research institute in China, will run validation trials in that country and is partnering with MTI to

develop the diagnostic tests for the Chinese market.

The partnership demonstrates the U of A's global impact in discovering and advancing life-saving research, said Lorne Babiuk, vice-president of research.

"The U of A has long been a leader in fundamental research and technology breakthroughs, both of which pave the way for innovations like PolypDx," Babiuk said. "This type of discovery holds immense potential for widespread application

and significant health, social and economic advancements here in Alberta and around the world."

PolypDx will eventually be marketed worldwide by MTI, a company formed by Fedorak and Wang with the assistance of the U of A's business incubator, TEC Edmonton.

Fedorak and his team, after developing the simple urine test to detect precancerous polyps, leveraged the U of A's extensive global research network to partner with BGI Shenzhen.



The team at U of A spinoff company Metabolomic Technologies Inc. (from left): Richard Fedorak, Victor Tso, Haili Wang, Gigi Ho, Reg Joseph and Rae Foshag.

The metabolomics technology, based on metabolites in the body that can be used as biomarkers to determine a person's health, is proving up to 70 per cent more accurate than the fecal-based tests in detecting precancerous polyps in the colon, Fedorak said. In addition, the spot urine sample format of PolypDx will lead to greater patient compliance compared with the fecal-based tests.

Colon cancer is one of the most common types of cancer in the world, yet is preventable and treatable about 90 per cent of the time if detected early in the precancerous polyp stage, he added. The current fecal-based tests tend to detect colon cancer, whereas PolypDx is designed to detect precancerous polyps before they develop into cancer.

"The technology developed through this research with our fellow scientists at BGI opens the door to more easily detecting cancer on a global scale," Fedorak said. "It is something that can ultimately play an important role in preventative management for health care." ■

Federal government invests \$3M to speed virology discoveries to market

Folio Staff

A research team led by Michael Houghton recently developed a vaccine that could fight all strains of hepatitis C, while Lorne Tyrrell and his colleagues are renowned for their discovery of an antiviral treatment for hepatitis B.

Now, the federal government has recognized that excellence in advancing scientific and clinical research with an investment of \$3 million in the U of A's Li Ka Shing Applied Virology Institute. The money from Western Economic Diversification Canada is earmarked for commercialization efforts—providing financial support for the transition of research discoveries to the marketplace. These discoveries will have an impact on Albertans, Canadians and people around the world, providing treatments for serious illnesses.

"Increasing the number of vaccines developed and their speed-to-market will save thousands of lives and improve both quality of life and economic productivity," said Lorne Babiuk, vice-president of research, pointing out that Houghton's team's

promising hepatitis C vaccine will have an impact on many lives. This viral disease affects 170 million people worldwide and is one of the leading causes of cancer and need for liver transplants."

Tyrrell, director of the Li Ka Shing Institute of Virology, said, "When Mr. Li made the donation to create the Li Ka Shing Institute of Virology, he emphasized the importance of translating discoveries to products that would help patients. The federal investment of \$3 million is critically important to establishing the Li Ka Shing Applied Virology Institute to translate and commercialize products as a result of discoveries made in virology."

Houghton, director of the Li Ka Shing Applied Virology Institute and a Canada Excellence Research Chair in Virology, added, "This funding is very important to us and greatly facilitates our newly formed institute to gear up fast and to start translating our virology research innovations into the clinic for commercialization opportunities."

D. Douglas Miller, dean of the Faculty of Medicine & Dentistry, said the federal

government investment demonstrates the value and impact of the virology advances made at the U of A.

"Increasing the number of vaccines developed and their speed-to-market will save thousands of lives and improve both quality of life and economic productivity."

Lorne Babiuk

"Our skilled researchers work tirelessly to find solutions and treatments to improve lives. The faculty is a powerhouse of virology researchers whose collaborative work is internationally recognized. We are pleased that the Government of Canada recognizes our global expertise and sees the impacts that our medical research has on improving lives." ■

news [shorts]

folio presents a sample of some of the stories that recently appeared on the [ualberta.ca news page](http://ualberta.ca/news/page). To read more, go to www.news.ualberta.ca.

Alberta's climate will get warmer, drier: report

A report released by the University of Alberta's Alberta Biodiversity Monitoring Institute says that temperatures in Alberta are expected to increase by between 2 C and 6.5 C over the next 100 years.

In response to a 2 C increase, the report shows that Alberta's ecosystems are projected to shift northward: for example, the parkland around Edmonton will come to resemble the grassland around Calgary. At 6.5 C, the climate models predict what could be a near-complete loss of northern Alberta's boreal forest. The boreal region currently covers more than half of the province.

"We've essentially taken the existing snapshot of Alberta's ecosystems and created a movie to describe what is likely to change in those living systems as they respond to climate change," said U of A researcher Richard Schneider.

The project is funded by the Climate Change and Emissions Management Corporation and the NSERC Alberta Chamber of Resources Chair in Integrated Landscape Management.

Researchers find the key to what's in our pee

Biological scientist David Wishart led a team that has determined the chemical composition of human urine.

The study, which took more than seven years and involved a team of nearly 20 researchers, revealed that more than 3,000 chemicals or "metabolites" can be detected in urine.

"Urine is an incredibly complex biofluid," said Wishart. "We had no idea there could be so many different compounds going into our toilets."

Wishart says this study is particularly significant because it will allow a new generation of fast, cheap and painless medical tests to be performed using urine instead of blood or tissue biopsies. In particular, he notes that new urine-based diagnostic tests for colon and prostate cancer, celiac disease, ulcerative colitis, pneumonia and organ transplant rejection are already in the works thanks in part to this work.

This project was supported by Genome Canada, Genome Alberta, the Canadian Institutes of Health Research, the National Research Council and Alberta Innovates.

The 'whole' problem with recycling

Marketing professor Jennifer Argo and a colleague from Boston University have determined that people are psychologically hard-wired to believe products that are damaged or that aren't whole are useless, and this leads users to trash them rather than recycle them.

The team found that once a recyclable item ceased to retain its whole form—whether a package that was cut open or a strip of paper torn from a whole piece—people demonstrated an alarming tendency to throw it in the garbage.

She says the process is seemingly autonomic and likely related to our literal definition of garbage as something being worthless. To change behaviour, Argo says the trick is getting people to recognize, on their own, the value in what they perceive as garbage.

Argo stresses the challenge to recycling is largely about changing people's beliefs. She said policy-makers need to step up efforts to encourage recycling, especially when it comes to messages about the need to recycle and compost as much of household goods as possible.

"It might mean more expensive packaging because it's a different type," she said. "I think it's worth the investment because I have no doubt in my mind that people will recycle it to a greater extent than they currently do."

Partnership improving food security, health in India

As part of a larger three-year, \$4.9-million project to assess the food security status of India, resource economics and environmental sociology grad student Simrat Minhas found that being older, having land and earning a higher income had a positive effect on both the types and quantity of food consumed.

Some other notable findings of the study were that belonging to a scheduled tribe or backward class had a negative effect on their healthy food diversity, education had a positive effect on healthy food diversity, and people in India with home gardens were much more likely to have greater diversity in the food they eat.

"Dietary diversity is related to health," Minhas said. "A lot of studies show that it's strongly correlated with dietary quality and nutrient adequacy."

The project is being conducted in partnership with the MS Swaminathan Research Foundation and gets funding from the Canadian International Food Security Research Fund.

TD award to help post-doc study autism

Lori Sacrey, a post-doctoral fellow in the Department of Pediatrics, is this year's recipient of the TD Studentship for interdisciplinary research.

The \$10,000 grant is awarded annually by the U of A's Health Sciences Council to a student who has an active role with an interdisciplinary health research team, who will be taking part in a health research project and who demonstrates a strong interest and potential to excel in interdisciplinary health research.

Her research looks at the linkages between motor skill and cognitive development in very young children who are at high risk for a diagnosis on the autism spectrum.

Residence Services unveils more East Campus Village housing

Kathleen Cameron

At the beginning of the month, 244 students moved into East Campus Village's newest residences, Pinecrest House and Tamarack House. Started in the fall of 2012, the new development consists of two buildings that are a mix of two- and four-bedroom furnished units.

"The new residences have been added to assist with the university's goal of increasing the number of students living on campus to 25 per cent of full-time enrolment," explained Doug Dawson, executive director of ancillary services. "Additionally, the new residences provide accommodation for two important student cohorts—graduate and international students."

Pinecrest House is home to 148 bed spaces and is connected to International House to help attract international students. Tamarack House is home to 96 bed spaces, intended primarily for graduate students. Each unit has a shared common area and kitchen, large windows to allow sunlight into the units, and large social spaces on each floor. The link between Pinecrest House and International House is designed as a multi-use space for students. It features a two-sided fireplace that creates a welcoming environment for social gathering.

Pinecrest House and Tamarack House are part of a larger redevelopment in the East Campus area, in accordance with the university's Long Range Development Plan.

"Our goal is to have 1,500 bed spaces in East Campus Village," said Dawson. "Research indicates that students living in on-campus, purpose-built housing experience higher rates of graduation and achieve higher grades. They also report having a more enriching experience while at school."

Residence Services has worked hard to develop the services and sense of community in the area that sets the residents up for success.

"Our buildings are intentionally designed to promote interaction. They are staffed by resident assistants who support students in achieving their academic goals, build community amongst a diverse population, and



The U of A's newest residences in East Campus Village will be home to 244 graduate and international students this year.

look out for the safety and wellness of students," said Brett Zawadiuk, area co-ordinator with Residence Life.

"Our residence program also offers a variety of academic cohorts, living-learning communities and themed housing, all of which help support students as they persist through university," said Zawadiuk. "Residents also have access to many resources and services specifically designed for them, including faculty in residence, academic in residence, and community liaison peace officers."

In addition to the facilities themselves, East Campus Village is filled with purpose-built outdoor spaces that serve as welcoming gateways to campus and building entryways that offer places to gather and socialize.

"East Campus Village is developing into a community where the students know and respect their neighbours, all while living in a more independent setting with campus resources and support services within reach," said Zawadiuk.

The new residences support the university's goal of providing sustainable places to study, work and live through sustainable planning, design, construction, retrofits and operations—as set out in the university's Sustainability Plan.

Both buildings include a number of sustainable features, such as low-flush toilets, low-flow showers, energy-efficient lighting, high-efficiency elevators, a green housekeeping program and energy-efficient heating. ■

RECRUITMENT:

PUBLIC MEMBERS FOR BOARD OF GOVERNORS

Honourable Thomas Lukaszuk, Deputy Premier and Minister of Enterprise and Advanced Education, is seeking applications from individuals interested in serving as a public member on the University of Alberta, Board of Governors.

A public member shares with the Chair and other members of the board the responsibilities of: governing the University; formulating policies enabling the board to make responsible decisions on fiscal and academic matters; establishing the purpose and vision of the University; and has a commitment to the academic, financial and social well-being of the university and to adult learning generally.

Qualifications

To be eligible, you should have senior leadership experience, an understanding of financial matters, have demonstrated community volunteer involvement and experience with Board governance. Preference will be given to applicants who have a demonstrated interest in post-secondary education; the University of Alberta and/or the training of adults. Preference will also be given to those who have demonstrated expertise in financial management, experience with human resources; and/or information technology, as well as those with experience working with Alberta's energy and/or natural resource sector.

How to Apply

If you are interested in this unique opportunity, please forward a resume including a brief biography and a completed application profile. You can access the application profile by selecting the link.

For the full job posting, go to www.jobs.alberta.ca/jobs-dynamic.html and see job ID 1019284.

CLOSING DATE: SEPTEMBER 20, 2013

Appointment

A public member is appointed for a term of up to three years and may be reappointed for one further term of three years. There is no salary available with this position.

This posting may be used to fill both existing and future vacancies.

For information about the University of Alberta go to www.ualberta.ca or to learn more about the Board of Governors, please refer to www.governance.ualberta.ca

classified ads

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MISCELLANEOUS

FACULTY MIXED CURLING LEAGUE. For faculty members, support staff, spouses. Starts Monday, October 21 at 5 p.m. Jasper Place rink. Contact brian.dunford@ualberta.ca.

Dent/Pharm offers space for police tactical training

Jamie Hanlon

The University of Alberta's Dentistry/Pharmacy Centre has been host to a variety of learning opportunities over its 92-year history, from chemistry to medicine. But as it awaits upgrading, the space will now be used for training that benefits Edmonton and the province in a very different way.

The university has signed formal agreements with various emergency services and first responders to offer the space for scenario and tactical training. It's not the first time campus space has been used for operational response training, says Hugh Warren, executive director of operations and maintenance at the U of A, but it is the first time the institution has been able to grant requests for a large space such as a building.

Warren says this training is a perfect fit with the province's recent survey on emergency management and security on campus. He cites this project and a number of on-campus initiatives that U of A departments have already undertaken, including the Don't Feed the Thieves awareness program and a recent training exercise at Résidence Saint-Jean, that demonstrate the university's efforts to bolster safety.

"The ministry is interested to know if we're doing this type of training and offering this type of scenario," said Warren. "It's important."

This summer the space was put to good use by provincial search-and-rescue groups, some who were fresh off the flood relief effort in southern Alberta.

The university has also signed agreements with the city providing for the building to be used by Edmonton Fire Rescue and the Edmonton Police Service; the RCMP has also expressed interest. The space could potentially be used by police canine and tactical units, as well as fire ladder units.

"All it can do is make the first responders better. And if the first responders are better and we have an incident on campus, it helps us," said Warren.

Bill Mowbray, director of protective services at the U of A, adds that the Edmonton Police Service has invited members from U of A Protective Services to participate in their on-campus scenario training in the Dent/Pharm space. "To interact with the Edmonton police officers as they are going through their training is a benefit situation for everyone involved." ■



Protective Services will team up with the Edmonton Police Service to hold training drills in the Dent/Pharm Building.

Helping students learn from the land

Bev Betkowsky

The University of Alberta's Faculty of Native Studies has formalized an agreement with Dechinta Centre for Research and Learning, an institution based in the Northwest Territories, to provide curriculum combining academic tradition and land-based, indigenous knowledge in the rugged wilderness of the Canadian North.

A recently signed memorandum of understanding with Dechinta, a land-based post-secondary institution, follows on the heels of a successful three-year pilot project between the two partners, formally bringing land-based Northern learning into the academic mix.

The partnership, signed in Yellowknife by Brendan Hokowhitu, dean of native studies at the U of A and by Erin Freeland Ballantyne of Dechinta's board of directors, develops a framework for undergraduate students from both institutions to receive instruction in bush settings through land-based, hands-on learning.

U of A faculty teach alongside elders and Northern experts to provide the educational experience, and students enrolled in the programs will find themselves learning in unconventional class settings and through seasonal opportunities during the summer, fall and winter/spring terms.

"The agreement with Dechinta builds on our links to Northern communities and expands the learning experience for students," said Hokowhitu. "Teaching off the land allows a different kind of teaching, connecting to the land spiritually, physically and mentally."

"This unique partnership enhances collaboration between indigenous and non-indigenous, Northern and Southern students and professors," said Freeland Ballantyne. "The land is the central teacher and through this new relationship, critical topics in the North are addressed in new and innovative ways."

Courses are taught on site at Blachford Lake Lodge, located on Chief Drygeese Territory in the Akaitcho region of Denendeh east of Yellowknife. The site is accessible only by snowmobile, dog team or bush plane.

The accredited courses cover a wide range of critical Northern issues. Students will learn about indigenous political theory, economic development, sustainability and decolonization, all while checking fish nets. They'll also develop essential bush skills like wilderness first aid, and work with local knowledge-holders to maintain a camp environment, Freeland Ballantyne said.



Native studies dean Brendan Hokowhitu (left) and Erin Freeland Ballantyne sign a formal agreement to offer land-based instruction in the Northwest Territories.

Students enrolled in Dechinta programs can apply their U of A courses toward a degree if they choose to attend the university. U of A students can also enhance their degrees with the optional courses, said associate dean academic Nathalie Kermaol.

"This is a unique Northern Canada experience for students, being in the bush with professors, elders and fellow students; learning about the land, customary laws and governance; and developing skills to be on the land," Kermaol said.

The formal agreement caps a relationship begun by Ellen Bielawski, former U of A dean of native studies, who supported Dechinta's call for university partnership in land-based learning. The alliance was then further developed by Kermaol as interim dean and Gurston Dacks, professor emeritus and special adviser to the dean, in collaboration with Dechinta. ■

talks & events

Talks & Events listings do not accept submissions via fax, mail, email or phone. Please enter events you'd like to appear in folio and at www.news.ualberta.ca/events. A more comprehensive list of events is available online at www.events.ualberta.ca. Deadline: noon one week prior to publication. Entries will be edited for style and length.

Studio Theatre dives into Ravenhill's 'pool (no water)'

Folio Staff

At the top of the 2013-14 season, the University of Alberta Studio Theatre jumps into *pool (no water)* by acclaimed British writer Mark Ravenhill.

Ravenhill is one of the most controversial and successful British writers to emerge in the 1990s. In his 2006 *pool (no water)*, a famous artist invites the old community of creative chums to her luxurious

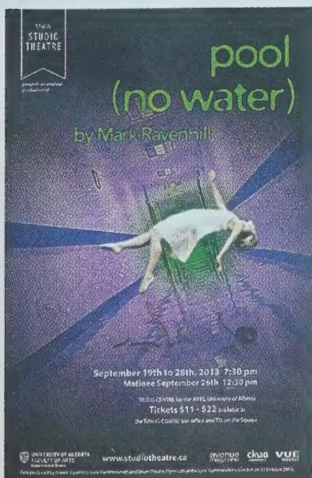
home, but when she suffers a horrific accident and lies in a coma, the light is good, the potential for composition is all there and an unimaginable artistic project takes shape.

"While the characters in this play are artists, I believe the struggle to compare ourselves, to desire recognition for our hard work and to feel that we are making an impact is within all of us," said director Nancy McAlear of her MFA directing thesis project.

The cast features U of A acting alumni Brett Dahl, Vincent Forcier, Kristi Hansen and Gianna Vacirca, with Ainsley Hillyard of Edmonton's Good Women Dance Collective.

Evening performances run Sept. 19 through 28 at 7:30 p.m. at the Timms Centre for the Arts. There is a \$5 preview Sept. 18, at 7:30 p.m. There is no performance Sept. 22. A matinee is scheduled for Sept. 26, at 12:30 p.m.

Tickets are available for \$11 to \$22 at TIX on the Square or in person at the Timms Centre box office. For more information, go to ualberta.ca/artshows. ■



SEPT. 16-20

Safety Week. The U of A invites you to Safety Week 2013, with displays to keep you safe on and off of campus. Come by Celebration Plaza for information and safety swag between 10:30-1:30 p.m.

SEPT. 16

International Update Session: Faculty-Led & e3 Education Abroad Programs. A target of 20 per cent of the undergraduate graduating class having an education abroad experience by 2015 was recently proposed. This session will focus on faculty-led programs as well as the new e3 education abroad model. Presenters include Tom Hinch, associate dean in the Faculty of Physical Education & Recreation; Karsten Mundel, learning and beyond director at Augustana Campus; and Kate Jennings, education abroad director at U of A International. Register at <http://bit.ly/16Z7GEH>. 3-4:30 p.m. 217/219 TELUS Centre.

SEPT. 17

The Future of Teaching in Research Universities. This talk to be given by Warren Bebbington, vice-chancellor of the University of Adelaide, and moderated by provost-on-leave Carl Amrhein, will focus on the role teaching should play in research universities. Bebbington will bring his insights and an Australian perspective to the issue, including how to reanimate

the Humboldt idea of the research university, which places a spotlight on small-group discovery and research for undergraduates. 4:30-6 p.m. 150 TELUS Centre. Register at <http://bit.ly/19XF3IV>.

SEPT. 19

Celebrate! Teaching. Learning. Research. Please join in this annual celebration to support your fellow faculty, staff and students as these top achievers are recognized for their talent and dedication to the dynamic brand of teaching, learning and research that makes the U of A a leader in post-secondary excellence. 3:15-5:30 p.m. Myer Horowitz Theatre.

SEPT. 24

2013 R.U. Lemieux Lecture. Mycobacterium tuberculosis: Insights from Harry Houdini and Captain James Cook. This talk will be given by William Jacobs Jr., an award-winning professor of microbiology and immunology, genetics and a Howard Hughes Medical Institute Investigator at Yeshiva University in New York. 4-5 p.m. L1-160 CCIS.

SEPT. 24

What to do so that your course doesn't suck! | CTL Catalysts: A Conversation Series on Teaching. Drawing from their own successes and failures, a panel of U of A teaching award winners will share practical

tips about what they've learned to do when teaching and, more important, what not to do. The discussion will be hosted by Frank Robinson, instructor of animal science 200, 3M Teaching Fellow and vice-provost and dean of students, and features Clive Hickson from education, Candide Sloboda from nursing, and Alex Brown from chemistry. 2:30-3:30 p.m. 217/219 TELUS Centre.

SEPT. 25

Careers Day. It is the largest career fair in Canada hosted by a single institution. More than 200 employers, at the local, national and international level, participate in this networking and recruitment opportunity. 10 a.m.-4 p.m. Butterdome.

Go Abroad Fair 2013. Explore exciting international study, work and volunteer opportunities at the 2013 Go Abroad Fair. More than 4,000 attendees and 75 exhibitors are expected. Noon-7 p.m. Lister Centre.

SEPT. 27

What Will Your Legacy Be? This complimentary estate planning seminar will provide a road map for thoughtful estate planning to help ensure you are on the right track and that your estate situation is meeting your goals and wishes. 9-11 a.m. Saskatchewan Room, U of A Faculty Club.

U OF A IN SERVICE TO THE COMMUNITY



PHOTOS RYAN WHITEFIELD



The Aug. 30 BaseCamp Day of Service capped off a new week-long orientation program for University of Alberta first-year students living in residence. The day was a chance for students to connect with the larger community by lending a hand on projects from refilling playground sandboxes to cleaning up parks in Edmonton's river valley. And with alumni volunteers joining in the effort and sharing their experience with the students, it was a chance for the U of A community to "Do Great Things" together.



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BackPage